Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
18			Total-2108906-00	
			IT- 21089-00	
			CM. 21089-00	
			CBF- 2109-00	
			LR-21722-00	
			CGST-21089-	
			SGST-21089-	
			Hdf. 108187-	
			Cheque 2000719-	

"First and final"

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354237

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of the work :- Improvement to roads and drains at Balance roads of Doddabommasandra area in ward no 10 (Doddabommasandra, Vidyaranyapura Sub division.						
	Estimated Cost :- Rs 25.00 Lacks, Job code :- 010-18-000041						
	Indent Number :- 29472, Head of Account :- P/7771						
	Work Agency Name :- Sri. N.M. Shivakumar, #7, 2nd Block, Jugamanalli, Rajajinagar, Bangalore-560010.						
	Work order No :- BBMP/EE/BTP/WO/125/2018-19. Dt :- 19-09-2018.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Excavation for pond, drains and similar work KSRRB 300-1: Earth work Excavation by manual means in ordinary soil involving average horizontal throw upto 2 mts and average lift upto 0.50 mt, Excavated surface levelled and dry mechanical cleared, the disposed earth to be levelled. neatly after breaking clods, etc., complete as per specifications and direction of the incharge of the work As per Pre measurement wide MB NO-3543 page NO-354287 to 354290					622.35 m³ @ Rs. 185.12 Rs 115209=00	
	(2) Wet mix Macadam KSRRB MS 00-17. Providing, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt size stone mason to wet mix macadam specification including premixing the material with water @ OMC, in mechanical mix Plant carriage of mixed material upper to site, laying in uniform layers, with Paver in sub base/base Course on well prepared surface and compacting with vibratory rollers to achieve the desired compaction and density, etc., complete as per specifications and directions of the incharge of the work						

Serial No. .....
Name of Work .....
Name of Contractor of nature
Date of commencement of wo

Date	Full description, etc
1	2
	As per pre measurement MB NO-3543 page N
	(3) Clearing the Ex finally during the bituminous to Machinery, etc. A As per pre measurem MB NO-3543 Pag
	(4) Providing and

NT BOOK

mensions			Contents	Reference to last Measurement
n	Breadth 5	Depth 6	7	8
ork KSRB 300-1: Earth work Excavation in average hard soil from upto 2 mts. rface levelled and dressed and d. nearby after breaking clods, ch on q in incharge q the work			622.35 m³	
@Rs.185.12			Rs 115209=00	
nveying, laying, spreading and compacting basalt size stone aggregate to wet mix the material with water @ one, ved method of tipper to site, laying g bed of base course on well ubration rollers to achieve the desired mplete as per specifications and rsor				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354238

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
As per MB No-3543 q Page no-354290 to 354292						248.69 m³	
	@Rs.1913.50					Rs 475868=00	
3) Cleaning the existing black topped surface thoroughly dusting with old gunny bags and by compressed air to remove this bituminous treatment including cost q all materials, labour, tools, machinery, etc. complete as per specifications and direction q in charge q the work						4925.00 m²	
As per pre measurement vide q MB No-3543 q Page no-354292 to 354295							
	@Rs.2.67					Rs 13150=00	
4) providing and applying tack coat using 80/100 grade bitumen (VG 10) @							

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	the prepared black topped surface @ 2.5 Kg/sqm, heating bitumen in boiler fitted with spray set (excluding cleaning the Road Surface) including cost of all materials, labour, tools & machineries, etc.. (complete as Per specifications and directions of Es. As Measurement and quantity that of item NO-(3) vide MBNO-35439 Page no-354292 are same as to 354295					4925.00 Sqm	
	(5) Providing and laying Bituminous concrete 40mm thick with hot mix, Plant, using Crushed stone aggregates of specified grading, premixed with Bituminous binder and filler, transporting hot mix to work site, laying with Paver finisher to the required Grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired Compaction as per MORTH specification Clause no- 509 & complete in all respects complete as per drawings and specifications MORTH specification no. 509 using 40/60 TPH Capacity H.M.P with mechanical paver finisher (30mm			@Rs. 10.68		Rs 52599=00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of A
Date of commencement of work .

Date	Full description, etc, of
1	2
to and	4(5mm) with (direction of Es in C Chamundeshwari Layo 30d (Rem

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
2.5 Kg/m² @ Rs 10.90/m², heating bitumen in q machinery, the Road Surface) including etc.. (complete as per				
same as ↑ Page no-354292			4925.00 m²	
@ Rs. 10.68			Rs 52599=00	
on Crete 40mm thick with hot mix ales of specified quality, premixed with ng hot bitumen to worksite, laying with e, level and alignment, rolling with tandem rollers, to achieve the desired ation (as per MoRTH Specification No. 509 requirements) complete in all ·nip with mechanical paver finisher (30mm				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

354239

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	to 4 (from) with 6 (from) / and direction of ws in charge of the work. Channel & wall layout } - 30d (from)	VG-30 Bitumen etc, complete as per Specifications					
	CHFC 30 1415	1	× 30 × $\frac{9.7+6.8}{2}$	× 0.04		= 9.90 m³	
		1	× 30 × $\frac{6.8+5.9}{2}$	× 0.04		= 7.62 m³	
		1	× 30 × $\frac{5.9+6.5}{2}$	× 0.04		= 7.44 m³	
		1	× 30 × $\frac{6.5+6.6}{2}$	× 0.04		= 7.86 m³	
		1	× 30 × $\frac{6.6+5.1}{2}$	× 0.04		= 7.02 m³	
						39.84	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Chamundeshwari Layout 4th main	1 × 30 × $\left(\frac{5.1+5.3}{2}\right)$ × 0.04 = 6.24 m³					
		1 × 30 × $\left(\frac{5.3+5.4}{2}\right)$ × 0.04 = 6.42 m³					
		1 × 30 × $\left(\frac{5.4+5.5}{2}\right)$ × 0.04 = 6.54 m³					
		1 × 30 × $\left(\frac{5.5+5.7}{2}\right)$ × 0.04 = 6.72 m³					
		1 × 30 × $\left(\frac{5.7+6.1}{2}\right)$ × 0.04 = 7.08 m³					
		1 × 30 × $\left(\frac{6.1+6.0}{2}\right)$ × 0.04 = 7.26 m³					
		1 × 10 × $\left(\frac{6.0+8.0}{2}\right)$ × 0.04 = 2.80 m³					
		1 × 30 × $\left(\frac{8.6+4.4}{2}\right)$ × 0.04 = 7.80 m³					
						90.70	

C&FC. 18/12

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2

ASUREMENT BOOK

Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Refere to la Measure 8
	Dimensions				
1	30	$\frac{5.1+5.3}{2}$	0.04	= 6.24 m³	
1	30	$\frac{5.3+5.4}{2}$	0.04	= 6.42 m³	
1	30	$\frac{5.4+5.5}{2}$	0.04	= 6.54 m³	
1	30	$\frac{5.5+5.7}{2}$	0.04	= 6.72 m³	
1	30	$\frac{5.7+6.1}{2}$	0.04	= 7.08 m³	
1	30	$\frac{6.1+6.0}{2}$	0.04	= 7.26 m³	
1	10	$\frac{6.0+8.0}{2}$	0.04	= 2.80 m³	
1	30	$\frac{8.6+4.4}{2}$	0.04	= 7.80 m³	

90.70

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354240

No. ..... From ..... To .....

of Work .....

of Contractor of nature of Agency .....

commencement of work .....

Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Dimensions				90.70	
	1	30	$\frac{4.4+5.1}{2}$	0.04	= 5.70 m³	
	1	30	$\frac{5.1+4.7}{2}$	0.04	= 5.88 m³	
	1	30	$\frac{4.7+5.5}{2}$	0.04	= 6.12 m³	
	1	30	$\frac{5.5+5.3}{2}$	0.04	= 6.48 m³	
	1	30	$\frac{5.3+4.8}{2}$	0.04	= 6.06 m³	
	1	30	$\frac{4.8+4.3}{2}$	0.04	= 5.46 m³	
	1	30	$\frac{4.3+5.3}{2}$	0.04	= 5.76 m³	

132.16.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Chamundeshwari layout 1st cross -	1×	30×	$\frac{5.3+5.6}{2}$	×0.04	= 6.54 m³	
		1×	30×	$\frac{5.6+4.3}{2}$	×0.04	= 5.94 m³	
		1×	30×	$\frac{5.6+4.3}{2}$	×0.04	= 5.94 m³	
		1×	30×	$\frac{5.6+6.1}{2}$	×0.04	= 7.02 m³	
		1×	11×	$\frac{6.1+6.1}{2}$	×0.04	= 2.68 m³	
		1×	30×	$\frac{5.3+5.4}{2}$	×0.04	= 6.42 m³	
		1×	7.8×	$\frac{5.4+5.5}{2}$	×0.04	= 1.70 m³	
		1×	30×	$\frac{5.5+5.7}{2}$	×0.04	= 6.72 m³	
						175.12	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	
1	2	
	Kataramma temple 1st main 1st cross	

C4F

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

REMENT BOOK

Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
1×	30×(5.3+5.6)/2		×0.04	= 6.54 m³	
1×	30×(5.6+4.3)/2		×0.04	= 5.94 m³	
1×	30×(5.6+4.3)/2		×0.04	= 5.94 m³	
1×	30×(5.6+6.1)/2		×0.04	= 7.02 m³	
1×	11×(6.1+6.1)/2		×0.04	= 2.68 m³	
1×	30×(5.3+5.4)/2		×0.04	= 6.42 m³	
1×	7.8×(5.4+5.5)/2		×0.04	= 1.70 m³	
1×	30×(5.5+5.7)/2		×0.04	= 6.72 m³	
				175.12	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354241

Serial No. ..... From ..... To .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 175.12 7	Reference to last Measurement 8
	Cataramma Temple 1st floor 1st room	1×	10×(5.7+5.6)/2		×0.04	= 2.27 m³	
		1×	30×(4.0+4.2)/2		×0.04	= 4.92 m³	
		1×	30×(4.2+4.5)/2		×0.04	= 5.22 m³	
		1×	30×(4.5+4.9)/2		×0.04	= 5.64 m³	
		1×	20×(4.9+5.2)/2		×0.04	= 4.04 m³	
		Net Quantity				= 197.21 m³	

C4F
Mohan

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

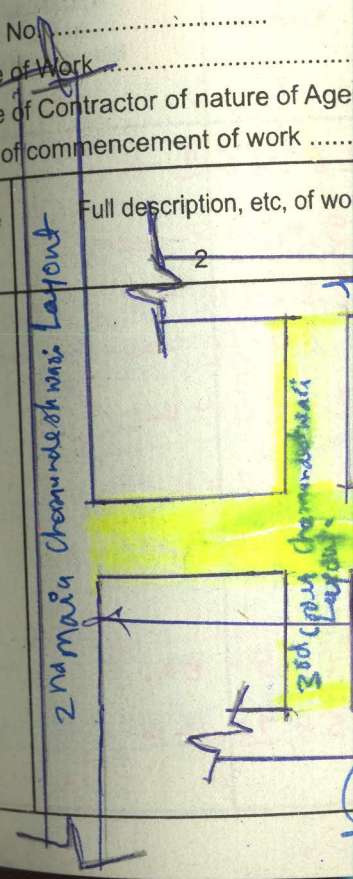
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity limited to	—	—	—	—	= 197.00 m³	
				@ Rs. 8188=00		Rs 1613036=00	
				Total	—	Rs 2269862	
				Bill may be paid			
						19/10/2018.	

Assistant Executive Engineer
Sub Division

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2



ENT BOOK

imensions h	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			= 197.00 m³	
Rs. 8188=00			Rs 1613036=00	
Total —			Rs 2269862	

Bunny

19/10/2018.

ant Executive Engineer
Sub Division

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354242

Serial No.....

Name of Work..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	2nd main Chamundeshwari Layout						
	Main road						
	34.00m						
	Chamundeshwari Layout 11th cross						
	3rd cross Chamundeshwari Layout						
	77.80m						
	4th cross Chamundeshwari Layout						
	37.40m						
	Main road						
	Main road Doddabidarakallu						
	110.00m						
	Adopted roads.						
	Bunny						

19/10/2018.

Assistant Executive Engineer
Vidyaranyapura Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Rs: 2269862-00	
						JT- 22699-00	
						CH- 22699-00	
						CBF- 2278-00	
						LR- 22926-00	
						CGST- 20267-00	
						SGST- 20267-00	
						Adju.: 111128-00.	
						Cheque: 21,58,734-00	

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 22,69,862-00

ಗಣಕೀಕೃತ ಪಾವು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 111128-00

ಕೊಡಬಾಕಿ ಮಾಡಿಕೊಂಡು ಉಂದ ಮೊಬಲಗು 21,58,734-00

ರೂ: Twenty one Lakh, fifty eight Thousand Seven hundred Thirty four

ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ಎಕ್ಸಿಕ್ಯೂಟಿವ್ ಇಂಜಿನಿಯರ್ 18/12

ಸಹಾಯಕ ಅಭಿಯಂತರರು 18/12

18/12

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agen

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Name of the work :- R
	Ramachandrapura area
	Estimated Cost :-25
	Job code :- 010-18
	Head of Account :-
	Name of the Agency
	Work order Number